

Claims

What is claimed is:

1. A sounding device for showing its location on a sonar detector means comprising:
 - a) a wave receiving means sensitive to frequencies of said sonar detector means;
 - b) a wave producing means capable of producing waves of at least one of said frequencies of said sonar detector means;
 - c) a control means connecting said wave producing means and said wave receiving means and capable of turning on and off said wave producing means and said wave receiving means independently or simultaneously; and
 - d) a power means to provide the electricity of said wave-receiving means, said wave-producing means and said controlled means.
2. A sounding device as claimed in claim 1 wherein said control means capable of turning on said wave producing means and turning off said wave receiving means simultaneously when a sonar signal is detected by said wave receiving means and capable of controlling said wave producing means to generate said sonar waves for a period at a power level equal or greater than the sonar wave reflects from a median size of fish before turning off said wave producing means and turning on said wave

receiving means; whereby reset said sounding device to its original state before the next sonar pulse arrives.

3. A sounding device as claimed in claim 1 wherein said wave producing means capable of generating sonar echo for a variable of time period and at different power level that can be controlled by said control means or said fish sonar detector.

4. A sounding device as claimed in claim 1 wherein said control means capable of controlling said wave receiving means to respond to one of the frequencies of said sonar detector means and generate one of the different frequencies of said sonar detector means simultaneously; whereby said sonar detector means can distinguish the echo of the device from that of fish.

5. A sounding device as claimed in claim 1 further comprising at least one water tight housing means to accommodate said wave receiving means, said wave producing means, said control means and said power means.

6. A sounding device as claimed in claim 1 wherein said sounding device has a volume size of equal or less than 125 cubic centimeter; whereby said sounding device can be conveniently carried and placed by a fishing bait.

7. A sounding device as claimed in claim 1 wherein said power means including turbines means which turns and produces electricity when said sounding device moves under the water.

8. A sounding device as claimed in claim 1 wherein said control means capable of distinguishing said sonar waves from the background waves by the signal/noise (S/N) ratio and the pulse cycle of said sonar waves before turning on said sound producing means of said sounding device.

9. A sounding device as claimed in claim 1 wherein said control means capable of distinguishing said sonar waves and waiting for a few pulse cycles of said sonar waves from the background waves by the signal/noise (S/N) ratio and before turning on said sound producing means of said sounding device; whereby greatly increases the accuracy of said sounding device.

10. A sounding device as claimed in claim 1 wherein said control means capable of receiving commands from a remote controller or said sonar detector to execute specific functions.

11. A sounding device as claimed in claim 1 wherein said wave-producing means capable of producing sonar echo of specific patterns; whereby more than one of said sounding devices can be used at the same time and be distinguished by conventional fish sonar detectors or modified fish sonar detectors.

12. A sounding device as claimed in claim 1 wherein said wave-producing means capable of producing sonar echoes which is different in patterns, strength or duration from sonar echoes reflected from fish; whereby said fish detector can

distinguish the echoes of fish from that of a bait.